

Jun. 3. 1998 2:50PM

FRISHAUF & PARTNERS

No. 1090 P. 1/2

From: HOLTZ

RECEIVED

Attorney Docket No. : 970668/LH

IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

Applicant(s) : Masaki HIGURASHI et al

Serial No. : 08/964,180

Filed : 4 Nov 1997

Art Unit : 2714

SECOND REQUEST FOR CORRECTED  
FILING RECEIPT

Assistant Commissioner for Patents

ATTN: APPLICATIONS BRANCH

Sir:

A Request for Corrected Filing Receipt was filed on March 4, 1998. The Filing Receipt received in our office on May 22, 1998 has not been corrected.

Please issue a corrected Filing Receipt correcting the error(s) indicated in handwriting on the accompanying copy. Please also correct the Patent Office records.

The error is due to:   X   Patent Office Error  
(No fee required)

           Applicant error (\$25 check  
enclosed).

Frishauf, Holtz, Goodman,  
Langer & Chick, P.C.  
767 Third Avenue - 25th Fl.  
New York, N.Y. 10017-2023  
Tel (212) 319-4900  
Fax (212) 319-5101  
LH/pob

Respectfully submitted,

Leonard Holtz  
Reg. No. 22,974

CERTIFICATE OF FACSIMILE  
TRANSMISSION  
TO NO. 1-703- 308-7751

TOTAL PAGES: 2  
I hereby certify that this  
paper is being facsimile  
transmitted to the  
Commissioner for  
Patents on the date  
noted below.

Attorney: Leonard Holtz

Dated: June 3, 1998

In the event that this Paper  
is late filed, and the  
necessary petition for  
extension of time is not filed  
concurrently herewith, please  
consider this as a Petition  
for the requisite extension of  
time, and to the extent not  
tendered by check attached  
hereto, authorization to  
charge the extension fee to  
Account No. 06-1378.

DEC 30 1998  
Group 2700

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98 AUG -7 AM 7:50  
GROUP 2700

Jun. 3. 1998 2:50PM

FRISHAUF &amp; PARTNERS

No. 1090 P. 2/2

PTO-103X  
(Rev. 8-85)

## FILING RECEIPT



UNITED STATES DEPARTMENT OF  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

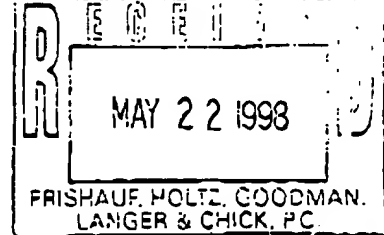
APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/964,180	11/04/97	2714	\$1,966.00	970668/LH	9	50	6

FRISHAUF HOLTZ GOODMAN  
LANGER & CHICK  
767 THIRD AVENUE  
25TH FLOOR  
NEW YORK NY 10017-2023

RECEIVED

DEC 30 1998

Group 2700



Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the date presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Connection Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

## Applicant(s)

MASAKI HIGURASHI, TOKYO, JAPAN; YASUHIRO KOMIYA, TOKYO, JAPAN; *GANG-LU JING, Tokyo, JAPAN.*

FOREIGN APPLICATIONS-

JAPAN  
JAPAN8-296750  
8-31226011/08/96  
11/22/96

## TITLE

IMAGE PROCESSING APPARATUS

PRELIMINARY CLASS: 348

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Date of Facsimile: 06/03/98

Typed Name of Person Signing Certification Alba P. Escobar

Signature: Alba P. Escobar

**Attn: Application Processing Division**  
**Customer Correction Branch**  
 United States Patent and Trademark Office

Fax No.: 703-308-7751

**2<sup>ND</sup> REQUEST**

Regarding:

Patent Application No.: 10971505-1  
 Inventor(s): Brian R. Hutchison, ET AL.  
 Serial No.: 08/925423  
 Filed: 09/08/97  
 Group Art Unit: 2103  
 Title: Lead Frame based Vertical Interconnect Package

NOTE: 1ST REQUEST  
 SENT 2/10/98!

Please note that the attached copy of the Filing Receipt does not reflect the inventors name in the correct order. The correct order should be: Brian R. Hutchison, Windsor, CA; Peter Walters, Santa Rosa, CA. Also the file fee rec'd should be \$1090.00 and Drawings should be 10.

Attached is the inventors as shown on the accompanying copy of the signed Declaration and Power of Attorney and the patent transmittal which reflects all.

Applicants respectfully request the correction of the official records to show the correct order of inventors name on this patent application and the amount for both filing fees and drawing. Please forward a corrected Filing Receipt at your earliest convenience.

If you have any question or comments, please do not hesitate to call me at (650) 857-4592.

Thank for your assistance in this matter.

Alba P. Escobar  
 Legal Administrator  
 Hewlett-Packard Company  
 3000 Hanover Street, M/S 2080  
 Palo Alto, California 94304-1112

Post-it® Fax Note	7671	Date	6/3/98	# of pages	6
To	PTO	From	Alba Escobar		
Co./Dept.	Filing Recept.	Co.	Hewlett-Packard		
Phone #	703 308 7751	Phone #	650 857 4592		
Fax #		Fax #	650 236 9855		

6pg w/cover

PTO-103X  
(Rev. 8-95)

FILING RECEIPT JAN 29 1998



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/925,423	09/08/97	2103	\$0.00	10971505-1	0	13	6

IP ADMINISTRATION  
LEGAL DEPARTMENTN 20BN  
HEWLETT-PACKARD COMPANY  
P O BOX 10301  
PALO ALTO CA 94303-0890

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

PETER WALTERS, SANTA ROSA, CA; BRIAN R HUTCHISON,  
WINDSOR, CA.

FOREIGN FILING LICENSE GRANTED 01/21/98

TITLE

LEAD-FRAME BASED VERTICAL INTERCONNECT PACKAGE

PRELIMINARY CLASS: 361

POST OFFICE  
TO ADDRESSEEEXPRESS MAIL  
UNITED STATES POSTAL SERVICE

EM198754120US

EIMS

POST OFFICE  
TO ADDRESSEEEXPRESS MAIL  
UNITED STATES POSTAL SERVICE

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METHOD OF PAYMENT:

Express Mail Corporate Acct. No.

Federal Agency Acct. No. or  
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ON THE INSURANCE COVERAGE

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ATTN: LEAD-FRAME BASED VERTICAL INTERCONNECT  
PACKHEWLETT PACKARD  
2000 CALIFORNIA ST  
SANTA CLAY

CA 95050-1151

BOX PATENT APPLICATION  
ASSISTANT COMMISSIONER FOR  
PATENTS  
WASHINGTON, DC 20231

FOR PICKUP OR TRACKING CALL 1-800-222-1811

Dear Sir:

Please acknowledge receipt of the following document(s)

RE: U.S. Patent Application PD No. 10971505-1 Atty: DAN

S/N: Unassigned

Inventor: Peter Walters et al.

Title: LEAD-FRAME BASED VERTICAL INTERCONNECT  
PACKAGE

- X Patent Application Transmittal Letter (in duplicate)
  - X 12 Pages of Specification, Claims and Abstract
  - X 13 Claims Total
  - X Declaration and Power of Attorney (unexecuted)
  - X Authorization to charge fee (\$1090.00) to Deposit Account
  - X Certificate of Express Mail dated Sept 8, 1997
- Label No. EM198754120US

70204 U.S. PRO  
08/925423  
09/08/97

Best Available

## HEWLETT-PACKARD COMPANY

Legal Department, 208N  
P.O. Box 10301  
Palo Alto, California 94303-0890

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10971505-1

## IN THE U.S. PATENT AND TRADEMARK OFFICE

## Patent Application Transmittal Letter

## ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n): (x) Utility ( ) Design

(x) original patent application,

( ) continuing application,

( ) continuation-in-part

( ) continuation or ( ) divisional

of S/N \_\_\_\_\_ filed \_\_\_\_\_.

INVENTOR(S): Peter Walters al et.

TITLE: Lead-Frame Based Vertical Interconnect Package

## Enclosed are:

(X) The Declaration and Power of Attorney. ( ) signed (x) unsigned or partially signed

(x) 10 sheets of ( ) formal drawings (x) informal drawings (one set)

( ) Information Disclosure Statement and Form PTO-1449 ( ) Associate Power of Attorney

( ) Priority document(s) ( ) (Other) \_\_\_\_\_ (fee \$ \_\_\_\_\_)

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	13 — 20	0	X \$ 22	\$ 0
INDEPENDENT CLAIMS	7 — 3	4	X \$ 80	\$ 320
ANY MULTIPLE DEPENDENT CLAIMS	0		\$ 260	\$ 0
BASIC FEE: Design ( \$320.00 ); Utility ( \$770.00 )				\$ 770
TOTAL FILING FEE				\$ 1,090
OTHER FEES				\$ 0
TOTAL CHARGES TO DEPOSIT ACCOUNT				\$ 1,090

Charge \$ 1,090 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

"Express Mail" label no. EM198754120US

Date of Deposit Sept 8, 1997

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

By

Respectfully submitted,

Peter Walters al et.

By

Deborah A. Neville

Attorney/Agent for Applicant(s)

## PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONATTORNEY DOCKET NO. 10971606 1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**LEAD-FRAME BASED VERTICAL INTERCONNECT PACKAGE**

the specification of which is attached hereto unless the following box is checked:

(X) was filed on Sept. 8, 1997 as US Application Serial No. or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

## Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

## Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

## U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

## POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Deborah A. Neville	Jack Wu	Patrick Barrett	John Imperato
Reg. No. 34,886	Reg. No. 29,992	Reg. No. 26,252	Reg. No. 40,026

## Send Correspondence to:

IP Administration  
Legal Department, 200N  
HEWLETT-PACKARD COMPANY  
P.O. Box 10301  
Palo Alto, California 94303-0890

## Direct Telephone Calls To:

Deborah A. Neville  
650/857-3864

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Brian R. Hutchison Citizenship: USResidence: 9565 Kristina Way, Windsor CA 95492Post Office Address: Same as residence

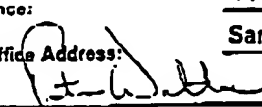
Inventor's Signature

Date

Best Available Copy

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION (continued)**

ATTORNEY DOCKET NO. 10971505-1

Full Name of # 2 joint inventor: Peter Walters Citizenship: US  
 Residence: 4145 Shadow lane, Santa Rosa, CA  
 Post Office Address: Same as residence  
 Inventor's Signature:  Date: 12/19/97

Full Name of # 3 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Post Office Address: \_\_\_\_\_  
 Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of # 4 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Post Office Address: \_\_\_\_\_  
 Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of # 5 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Post Office Address: \_\_\_\_\_  
 Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of # 6 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Post Office Address: \_\_\_\_\_  
 Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of # 7 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Post Office Address: \_\_\_\_\_  
 Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of # 8 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_  
 Residence: \_\_\_\_\_  
 Post Office Address: \_\_\_\_\_  
 Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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